

Heparin-induced filament assembly of tau

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An abbreviated version of this protocol was published in eLIFE in Feb 2019

Heparin-induced tau filaments are polymorphic and differ from those in Alzheimer's and Pick's diseases

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Detailed protocol

Heparin-induced filament assembly of tau

1. Heparin (Sigma) was resolved in water into 50mg/ml.
2. Make Heparin master mix as follows:

50mg/ml Heparin	4μl
300mM MOPS, pH7.2	50μl
100mM AEBSF	5μl
Sterile water	41μl
Total:	100μl

3. Add 5μl Heparin master mix into 20μl 3ml/ml tau protein.
4. Vortex briefly to mix.
5. Incubate at 37°C for 72 hours.

How to cite: (Readers should cite both the Bio-protocol preprint and the original research article where this protocol was used)

1. Zhang, W. (2020). Heparin-induced filament assembly of tau. Bio-protocol Preprint. bio-protocol.org/prep524.
2. Zhang, W., Falcon, B., Murzin, A. G., Fan, J., Crowther, R. A., Goedert, M. and Scheres, S. H.(2019). Heparin-induced tau filaments are polymorphic and differ from those in Alzheimer's and Pick's diseases. eLIFE. DOI: [10.7554/eLife.43584](https://doi.org/10.7554/eLife.43584)

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